

ABSTRACT OF THE DISCLOSURE

The present invention relates to a system and method for terrestrial transmission of RF signals comprising: an antenna, where said antenna includes an active device and a passive device and a decoder. The passive device receives RF signals and passes the signals to the
5 active device. The active device includes at least one amplifier, where active device down converts the RF signals to IF signals and applies a gain to at least one of the RF signals and the IF signals. The decoder connects to the antenna, where decoder receives and analyzes the IF signals from said antenna and upon receipt of the IF signals sends commands to the active
10 device in order to maintain an acceptable IF signal, where said commands instruct the active device to selectively adjust the gain.